

IN THE CLAIMS:

Please cancel claims 1-10, 18-22, 28-33, and 35-36, and amend and add new claims as shown below. This listing of claims replaces all previous listings.

Claims 1-10. (Canceled)

Claim 11. (Currently Amended) An expression vector including nucleic acid encoding a ~~p193~~-protein having the amino acid sequence of SEQ I.D. NO: 2 or SEQ I.D. NO: 4 or an amino acid sequence having at least about 70% identity to the amino acid sequence of SEQ. I.D. NO: 2 or SEQ I.D. No: 4.

Claim 12. The expression vector of claim 11 wherein said nucleic acid is in the antisense orientation.

Claim 13. (Currently Amended) The expression vector of claim 11 wherein said ~~p193~~ protein is a pro-apoptotic ~~p193~~-protein.

Claim 14. (Currently Amended) The expression vector of claim 11 wherein said ~~p193~~ protein suppresses apoptosis and/or induces proliferation in a cell in which it is expressed ~~includes a dominant negative mutation.~~

Claim 15. (Currently Amended) A host cell comprising introduced nucleic acid encoding a ~~p193~~-protein having the amino acid sequence of SEQ I.D. NO:2 or SEQ I.D. NO:4 or an amino acid sequence having at least about 70% identity to the amino acid sequence of SEQ. I.D. NO:2 or SEQ I.D. NO:4.

Claim 16. (Currently Amended) The host cell of claim 15 wherein said nucleic acid encodes a pro-apoptotic ~~p193~~-protein.

Claim 17. (Currently Amended) The host cell of claim 15 wherein said nucleic acid encodes a ~~p193~~-protein that suppresses apoptosis and/or induces proliferation in the host cell ~~including a dominant negative mutation.~~

Claims 18-22 (Canceled)

Claim 23. (Currently Amended) An expression vector comprising a nucleic acid sequence encoding the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:4, ~~or an amino acid sequence having at least about 70% identity to the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:4.~~

Claim 24. (Currently Amended) An expression vector comprising a nucleic acid sequence encoding a polypeptide having the amino acid sequence of SEQ ID NO:2 from residue 1 to residue 1152 or of SEQ ID NO:4 from residue 1 to 1173, or having an amino acid sequence having at least about 70% identity to the amino acid sequence of SEQ ID NO:2 from residue 1 to residue 1152 or of SEQ ID NO:4 from residue 1 to residue 1173.

Claim 25. (Original) The expression vector of claim 24, wherein said polypeptide suppresses apoptosis and/or induces proliferation in a cell in which it is expressed.

Claim 26. (Original) An expression vector comprising a nucleic acid sequence having at least 70% identity to nucleotides 62 to 5128 of SEQ ID NO:1 or nucleotides 87 to 5183 of SEQ ID NO:3.

Claim 27. (Original) An expression vector comprising a nucleic acid sequence having at least about 70% identity to nucleotides 62 to 3517 of SEQ. ID NO:1 or to nucleotides 87 to 3615 of SEQ. ID NO:4.

Claims 28-33 (Canceled)

Claim 34. (Currently Amended) A method for producing a ~~p193~~ protein, comprising culturing a host cell ~~having introduced DNA encoding a p193 protein of claim 15~~ under conditions suitable for expression of said introduced nucleic acid ~~DNA~~.

Claims 35-36 (Canceled)

Claim 37. (Currently Amended) A method for screening an agent for effect on the cell cycle of a cell, comprising contacting a ~~cell having introduced nucleic acid encoding a p193 protein~~ host cell of claim 15 with the agent and assessing the effect of the agent on the cell.

Claim 38. (Currently Amended) A method of claim 37 wherein the introduced nucleic acid is introduced DNA encoding a pro-apoptotic p193 protein.

Claim 39. (Currently Amended) A method of claim 38, wherein the introduced DNA comprises a nucleic acid sequence encoding the amino acid sequence of SEQ ID NO:2 or ~~SEQ ID NO:4 or an amino acid sequence having at least about 70% identity to the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:4.~~

Claim 40. (Currently Amended) A method of claim ~~39~~ 38, wherein the introduced DNA comprises a nucleic acid sequence encoding the amino acid sequence of ~~SEQ ID NO:2 or~~ SEQ ID NO:4.

Claim 41. (New) A method of claim 37, wherein the introduced nucleic acid is introduced DNA encoding a protein that suppresses apoptosis and/or induces proliferation in the host cell.

Claim 42. (New) A method of claim 38, wherein the host cell is a cardiomyocyte.

Claim 43. (New) A method of claim 41, wherein the host cell is a cardiomyocyte.

Claim 44. (New) A method for making a host cell, comprising genetically transducing a cell with an expression vector according to claim 11.

Claim 45. (New) A host cell of claim 15, which is a cardiomyocyte.

Claim 46. (New) A host cell of claim 16, which is a cardiomyocyte.

Claim 47. (New) A host cell of claim 17, which is a cardiomyocyte.

Claim 48. (New) A host cell of claim 17, wherein the protein is a truncation mutant.

Claim 49. (New) A host cell of claim 15, wherein said introduced nucleic acid encodes a protein having the amino acid sequence of SEQ I.D. NO:2 or SEQ I.D. NO:4 or an amino acid sequence having at least about 90% identity to the amino acid sequence of SEQ. ID NO:2 or SEQ ID NO:4.

Claim 50. (New) An expression vector of claim 11, wherein said nucleic acid encodes a protein having the amino acid sequence of SEQ I.D. NO:2 or SEQ I.D. NO:4 or an amino acid sequence having at least about 90% identity to the amino acid sequence of SEQ. ID NO:2 or SEQ ID NO:4.